## Author Index to Volume 28

A Aarons, E. 507 Abdel-Rahman, M. 1025 Abrahamsson, H. 590 Abramson, SB, 429 Acharva, U. 889 Achkar, E. 874 Adamonis, AJ, 976 Adham, N. 1083 Adler, RS, 716 Alberti, A, 962 Allain, H. 616 Allan, BJ, 792 Allen, F. 289 Alvarez, SZ, 193 Ament, ME, 225 American Pancreatic Association, 923 Anagnostides, AA, 893 Anderson, JC, 912 Antonioli, D, 908 Antonson, DL, 300, 604 Anuras, S, 1101 Aoki, TT, 312 Arhan, P, 1025 Arnold, JG, 737 Aronchick, CA, 566

Beglinger, C, 350 Benjamin, SB, 775 Berenson, MM, 183 Berry, JL, 145 Birkett, DH, 353 Bistolfi, L. 1078 Bloom, SM, 7 Bloom, SR, 507, 893 Bonfils, S. 577 Bortolotti, F, 962 Bosman-Jacobs, EP, 137 Boss, AM, 321 Bourel, M, 616 Brackett, KA, 74 Brewer, T, 335 Brissot, P, 616 Broadway, RF, 1147 Brooks, FP, 469, 566 Brown, KA, 236 Brzozowski, T, 154 Buell, MG, 1005 Bueno, L, 257 Bukhave, K. 1141 Bunte, RM, 359 Burnett, DA, 912 Burns, WA, 918 Burt, RW, 183 Butt, JH, 18

Cello, JP, 44 Chadwick, VS, 893 Chan, RP, 609 Chang, T-M, 456 Chapin, M, 335 Chapman, RW, 321 Chey, WY, 456 Chowdary, KVS, 573 Christian, PE, 340 Christman, NT, 397 Christofides, ND, 507, 893 Chung, RS, 33 Cid, AA, 486 Civalleri, D. 300 Clearfield, HR, 27 Clouse, RE, 763, 784 Coatsworth, J, 289 Code, CF, 449 Coelle, EF, 1083 Cohen, MM, 1070 Cohen, S. 481, 564 Collias, K, 518, 526 Colombatti, G. 129 Colombo, C, 306 Connors, CM, 971 Conteas, C, 684 Cooper, BT, 473 Costigan, DJ, 763 Cox, KL, 225, 422 Crane, SA, 486 Craxì, A. 39 Crocket, A, 74 Cronin, DW, 371 Curtis, J, 843

Cataland, S, 345

Cathey, WJ, 183

Celle, G, 1078

B
Baker, AL, 405
Bank, S, 990
Barbara, L, 306
Barbezat, GO, 273
Barclay, G, 385
Baron, JH, 609
Baron, R, 566
Bartholomew, LG, 1047
Beck, IT, 1005
Begin, L, 712

Arossa, W, 129

Axelsen, R, 651

Cameron, D, 85 Campion, JP, 616 Cannon, RA, 225 Cantlay, JS, 13 Carey, WD, 545 Carmack, C, 518, 526 Carosso, R, 129 Carpenter, A-M, 742 Carpio, R, 193 Carr-Locke, DL, 312 Cason, J, 236 Castell, DO, 775

Dahlin, DC, 1047 Dalton, JW, 865

Daly, JJ, 573 Dantas, RO, 294 Das, KM, 833 Datz, FL, 340 Davidson, GP, 870 Davies, M, 145 Davison, JS, 539 Dayton, MT, 449 Dayal, Y, 7 Debas, HT, 56 De Fontes, D, 422 De Godoy, RA, 296 De La Pierre, M, 129 Deluca, VA, 392 Dembińska-Kieć, A, 154 Deren, JJ, 751 DeSchryver-Kecskemeti, K, 1018 Deutsch, J, 870 Deveney, CW, 65

Deveney, K, 65 Devroede, G, 1025 Dinda, PK, 1005 Dinoso, VP, Jr, 27 Di Piazza, S, 39 Dobbs, SM, 1 Doos, WG, 769 Dotevall, G, 590 Dozois, RP, 633 Dozois, RR, 1047 Drever, M. 976 Dubois, A, 502, 737 Duguay, C, 1025 Duranceau, A, 1025 Dutta, SK, 365 Dyson, WL, 566

Edmondson, HA, 429 Elhilali, M, 1025 Elta, GH, 7, 971 Erlandsen, SL, 742 Eyre-Brook, IA, 1106

Fattovich, G, 962 Fawaz, KA, 7 Ferguson, DR, 545 Ferrand, B, 616 Ferraris, R, 129 Ferri, G-L, 507 Filippazzo, G, 39 Fink, SM, 1057 Fioramonti, J, 257 Fiorentini, MT, 129 Fleischer, D. 174 Forand, MD, 1025 Fordham, JN, 236 Forsythe, S, 545 Foucar, CE, 641 Frenkel, M, 137 Friedman, AC, 174 Fromm, D, 513 Fujiwara, T, 981

Gatto, G, 39 Genova, G. 39 George, DE, 161 Gersten, M, 990 Gerzof, SG, 865 Ghahremani, GG, 411 Gianetta, E, 300 Gilbert, AP, 609 Gilbert, H, 85 Gillich, A, 712 Giunta, AM, 306 Glagov, S, 405 Glover, SC, 13 Go, VLW, 249 Goddard, DH, 236 Goldberg, MJ, 971 Goldblatt, RS, 392 Goldin, E, 807 Goldstein, AL, 328 Gorelick, FS, 392 Goto, N, 201 Goto, Y, 56 Gould, L, 918 Graham, DY, 1, 559, 733, 827 Gregg, JA, 312 Grendell, JH, 44 Grossman, MI, 385 Grossman, P, 1147 Grotzinger, U, 350 Grove, O, 1141 Guillouzo, A, 616 Guth, PH, 903 Gyr, K, 350

E Eastwood, GL, 61 Eaves, R, 278 Ebert, EC, 481 G Gadacz, TR, 359 Gallagher, GT, 716 Gannan, R, 289 Garcia, LS, 335 H Haberfelde, G, 526 Hagelen, F, 1127 Hale, WE, 1062 Hall, JC, 375 Hamilton, LH, 397 Hancock, J, 775 Hansen, MGJ, 1141 Hansky, J, 870

Harmon, JW, 359 Harter, HR, 1018 Hata, Y, 552 Hayakawa, T, 230 Heilbron, DC, 44 Henagan, JM, 641 Henrik-Nielsen, R, 1141 Herrera, AF, 371 Heubi, JE, 124 Hightower, NC, 545 Hill, LD, 289 Hillen, FC, 1127 Hirabayashi, K, 903 Hirschowitz, BI, 705 Hirsh, J, 967 Ho, R, 801 Hofmann, AF, 359 Hogan, DL, 1001 Holborow, EJ, 236 Holgate, AM, 812 Hopkins, J, 473 Howlett, P, 889 Hunt, JN, 169, 417, 897 Jankowski, RH, 801 Jaszewski, R, 486 Jeker, L, 350 Jiang, CL, 169, 897 Joffe, SN, 74 Johnson, AG, 1106 Johnson, C, 417 Johnson, LF, 174, 359 Johnson, SE, 345 Johnson, WC, 865 Johnston, MA, 967 Jusko, WJ, 161 Knezevic, C, 350 Koehler, RE, 692, 1018 Kohichi, M, 981 Kolozi, WZ, 1043 Kondo, T. 230 Konishi, F. 18 Kono, K. 201 Konturek, SJ, 154 Koop, H, 111 Kraemer, BB, 641 Krager, PS, 405 Krippaehne, WW, 852 Krüskempe., HL, 494 Kubota, K, 1116 Kunimi, H, 1034 Kuo, Y-J, 820, 1121

I Ihamäki, T, 698 Ihse, I, 97 Iida, S, 201 Inoue, K, 724 Isaksson, G, 97 Isenberg, JI, 1001 Ishihara, Y, 552 Isokoski, M, 698 Ivey, KJ, 595 Iwama, S, 201

Kalani, BP, 378 Kameva, A. 230 Kanno, M., 1034 Kao, H. 684 Kaplan, MM, 7, 971 Karoll, MP, 411 Katada, N, 230 Kauffman, GL, Jr, 449 Kawano, T, 724 Kawashima, M, 1034 Keeffe, EB, 88 Kekki, M, 698 Keller, FS, 88 Kelly, KA, 249 Kessler, L. 897 Khedekar, RR, 918 Kholeif, H. 633 Kidder, GW, 359 Kikendall, JW, 174 Kim, T, 724 King, RWF, 278 Kirk, AP, 236 Kirsch, HL, 371 Kirubakaran, CP, 870 Kivilaakso, E, 440 Klass, HJ, 145 Kley, HK, 494

Lamarche, J, 1025 Lambert, J, 278 La Morte, WW, 353 Lange, RC, 1057 Lankisch, PG, 111, 490 Larach, J, 633 Larsen, KK, 649 Latour, F, 371 Lebenthal, E, 161 Lee, H, 1043 Lehto, V-P, 440 Lendvai, S, 990 Lennard-Jones, JE, 18, 236, 609 Levine, JS, 780 Lewin, K, 1083 Lewis, JH, 673 Lieber, CS, 585 Lieberman, DA, 88, 852 Lillemoe, KD, 359 Linhardt, GE, II, 1106 Linne, JH, 843 Lipshutz, WH, 481 Livstone, EM, 392 Lovy, MR, 780

Ludwig, J, 651 Lumb, GA, 145 Lyrenäs, E, 590 Milsap, RL, 161 Mishima, A, 201 Miyashita, H, 792 Miyoshi, A, 981 Moody, FG, 649 Moore, JG, 340 Morgan, MY, 321 Morson, BC, 18 Mowat, NAG, 13 Murney, RG, Jr, 843 Murray, KA, 161 Murthy, SNS, 27 Musha, H, 201 Mutchnick, MG, 328 Ohe, K, 981 Ohnishi, K, 201 Okabe, S, 552, 993, 1034 Okuda, K, 201 Olinger, EJ, 976 Oliveira, RB, 294 Orsini, S, 39 Otto, J, 490 Ouyang, A, 481 Owen, RL, 65 Oyewole, MA, 174

M Mach, T, 595 Madura, M, 976 Magee, DF, 1116 Magrin, S, 39 Malagelada, J-R, 633 Malet, PF, 753 Manolas, K, 893 Mansi, C, 1078 Margaretten, W, 44 Marignani, P, 392, 848 Maringhini, A. 39 Marks, RG, 1062 Marshall, JB, 912 Masaryk, TJ, 874 Maset, R, 518, 526 Maspero, D, 306 Mathieson, R. 365 Matsuda, Y, 207 Matsumoto, H, 981 Mawer, EB, 145 Maxwell, V, 385 Mazure, R. 577 McCallum, RW, 1057 McClain, CJ, 85, 687 McLean, AM, 7 Melnyk, CS, 852 Meneghelli, VG, 294 Messner, M, 616 Michel, AM, 265 Mignon, M, 577 Miller, KB, 971 Miller, LJ, 1047 Miller, TA, 641, 1121 Millet, V, 335

N Nasbeth, DC, 865 Nagulespara, M, 502 Nakajima, Y, 201 Nakamura, M, 981 Nandi, J, 513 Neame, PB, 967 Nei, J, 207 Neilsen, R, 289 Nielsen, P, 775 Noda, A, 230 Noel-Jorand, MC, 879 Padovan, W, 294 Pagliaro, L, 39 Palazzo, U. 39 Pantoja, JL, 429 Paradis, K, 545 Partin, JC, 124 Patterson, DJ, 559 Paul, RE, 7 Paulsen, G, 903 Peerenboom, H. 494 Peters, TJ, 473 Philipps, E, 7 Phillips, HE, 225 Piastucki, I, 154 Pohjanpalo, H, 698 Polak, JM, 507 Pomeranz, IS, 539 Pope, CE, II, 289 Pope, DJ, 609 Port, RB, 411 Potter, T, 687 Prieto, JA, 328

O'Donnell, JK, 775 O'Dorisio, TM, 345

Q Quimby, GF, 61

Mills, BA, 1018

Milner, RA, 967

R Rachmilewitz, D, 807 Radecki, T, 154 Rahatzad, M. 88 Rahlf, G, 111 Rakela, J, 684 Rand, CA, 967 Rask-Madsen, J. 1141 Ray, TK, 513 Read, NW, 812 Realdi, G. 962 Reasbeck, PG, 273 Reber, HA, 65 Rees, J. 278 Renner, IG, 103, 429, 1089 Resnick, RH, 908 Rinaldi, F, 39 Rinderknecht, H, 103, 518, 526, 1089 Ritchie, JK, 18 Robbins, AH, 865 Roda, A, 306 Roda, E. 306 Rodning, CB, 742 Rogers, WA, 345 Rosato, EF, 753 Rosenberg, JL, 411 Rosenthal, WS, 801 Rothman, D, 397

Roy-Chowdhury, J, 753

Rubin, KP, 585

Russell, COH, 289

Schaffner, JA, 328 Schentag, JJ, 976 Schilling, JJ, 792 Schimmel, EM, 769, 865 Schlegel, JF, 449 Schoeller, D. 405 Schoetz, DJ, Jr, 353 Schreiber, A, 490 Schreiber, H, 1043 Schubert, WK, 124 Schulze-Delrieu, K. 625, 1101 Schwarzenberg, SJ, 470 Scopinaro, N. 300 Scott, J, 473 Seckinger, D, 1147 Sekhon, S, 595 Sepersky, RA, 971 Sereni, LP, 306 Shafer, RB, 687 Shaffer, EA, 539 Shah, JM, 918 Shanbour, LL, 820, 1121 Sharaiha, ZK, 827 Shaw, L. 753 Shaw, S, 585 Sheahan, DG, 392 Sherding, RG, 345 Sherlock, S, 321 Shima, K, 724 Shin, MS, 692 Sieber, WK, 378 Siegel, A, 1018 Siegel, J, 801 Sievers, ML, 502 Sigman, HH, 712 Simon, M, 616 Singh, M, 117 Siurala, M, 698 Skinner, MS, 1147 Smallwood, RH, 1106 Smith, A, 870 Smith, CL, 889 Smith, JL, 1, 169, 897 Solomon, TE, 385 Solomons, NW, 397 Spechler, SJ, 769, 865 Spencer, MJ, 335 Sperber, H, 769 Spinello, M, 39 Stace, NH, 103

Savarino, V. 1078

Schaffer, CB, 225

Stachura, J. 595 Staiano, A, 784 Stanley, RJ, 692 Starr, PE, 265 Steigerwald, JC, 780 Stein, GN, 371 Steinbach, JH, 449 Stern, A, 870 Stern, AI, 1001 Stern, JS, 865 Stewart, M. 335 Stewart, RB, 1062 Stone, K. 908 Stradley, RP, 345 Straus, E, 502 Strohmeyer, G, 494 Su. L-C, 85 Suzuki, N, 201 Suzuki, T. 724 Szabo, S. 716 Szefler, SJ, 161

S Sable, RA, 801 Sackman, JW, 733, 827 Sacra, PJ, 609 Salo, JA, 440 Samuelson, CO, 183 Sarles, H, 879, 1116 Sarr, MG, 249 Sasaki, H, 502 Taffet, SL, 833 Takada, A, 207 Takashi, M, 201 Takeuchi, K, 993, 1034 Takeyama, M, 724 Tangedahl, T. 545 Tanner, AR, 889 Tarnawski, A, 595 Tatemoto, K, 507 Tavill, AS, 1043 Taylor, IL, 1083 Ten Kate, FJW, 137 Terano, A. 595 Tétreault, L, 1025 Thomas, P, 216 Thomforde, GM, 633 Thompson, JJ, 566 Tice, HL, 673 Tishler, JM, 692

Tobe, T, 724
Touw-Blommesteyn, AC, 137
Tremolada, F, 962
Trotman, BW, 753, 961
Tsuchiya, S, 201
Tuma, DJ, 300
Turken, D, 1001
Tweedy, C, 340

Van Noordwijk, J, 1127 Varis, K, 698 Vasquez, B, 502 Vender, RJ, 848 Vibhakar, SD, 1043 Vinci, M, 39 Wingate, DL, 1133 Winnan, J, 392 Wise, WE, Jr, 353 Wisner, JR, Jr, 1089 Wright, MV, 513 Wright, SH, 481

U Unger, RH, 502 Urban, E, 265

Walker, IR, 967
Warnes, TW, 145
Watier, A, 1025
Watts, JMcK, 375
Way, LW, 65
Weir, J, 13
Welbourn, RB, 893
Weliky, B, 684
Weller, FE, 328
White, TT, 792
Whitington, PF, 470
Williams, LF, Jr, 353
Williams, M, 545
Wilson, ID, 742

Waite, N. 889

Y Yajima, H, 724 Yamada, Y, 552 Yatabe, JA, 335 Yiangou, Y, 507, 893

V Vaezzadeh, K, 378 Vallot, T, 577 Van Blankenstein, M, 137 Van Den Berg, JWO, 137 Vanderhoof, JA, 300, 604 Van Kolfschoten, AA, 1127 Z Zamcheck, N, 216 Zandberg, P, 1127 Zentilin, P, 1078 Zetterman, RK, 912 Ziemniak, JA, 976 Zimmerman, HJ, 673 Zukerman, GR, 1018

# Subject Index to Volume 28

Absorption, small bowel, transit time and, 812 amyloidosis and, 763 computed tomography and, 692 prostate cancer and, 278 Acid neutralization, ulcerogens and, in rats, 716 Acid secretion albumin and, in dogs, 350 somatostatin and, in dogs, 350 Adenocarcinoma, rectal, Peutz-Jeghers syndrome and, 1047 Age, gastrfc emptying and, 340 Agnogenic myeloid metaplasia, ascites and, 912 Albumin, acid secretion and, in dogs, 350 Alcohol chronic hepatitis and, 207 iron absorption and, 321 pancreatic secretion and, 1089 pancreatic secretion and, in dogs, 879 Alkaline secretion, 16.16-dmPGE<sub>2</sub> and, in dogs, Alkalinization, luminal, mucosal damage and, in rats. 993 American Pancreatic Association abstracts, 923 Amino acid infusion, 27 Amylase, serum, pancreatitis and, 865 Amyloidosis, achalasia and, 763 Anemia, pernicious, gastritis and, 698 Aneurysm, aortic, jaundice and, 88 Anorexia nervosa, pancreas and, 225 Antacid reflux esophagitis and, 559 use in elderly, 1062 Antrum, gastritis and, 751 Ascites, agnogenic myeloid metaplasia and, 912 Aspirin, gastric adaptation and, 1

Bicarbonate 16.16-dmPGE<sub>2</sub> and, 649 gastric, ethanol and, 449 Bile acid hepatobiliary disease and, 129 malabsorption, cystic fibrosis and, 306 output, 27 tolerance test, liver function and, 137 Biopsy, percutaneous, cirrhosis diagnosis and 39 Bis-(2-oxopropyl)-N-nitrosamine, pancreatic tumors and, in hamsters, 526 Bleeding, recurrent, propanolol and (letter), 667 Bombesin, ieiunal transport and, in dogs, 273 Book review comment (letter), 479 **Book Reviews** A Concise Textbook of Gastroenterology, 2nd ed. 670 Basic Clinical Hepatology, Developments in Gastroenterology Series, Vol 2, 669 Basic Mechanisms of Gastrointestinal Muscosal Cell Injury and Protection, 862 Cellular Basis of Chemical Messengers in the Digestive System, 1053 Clinics in Gastroenterology, 1053 Computed Body Tomography, 1053 Current Gastroenterology, Vol 2, 669 Current Hepatology, Vol 2, 957 Diarrhea and Malnutrition: Interactions, Mechanisms and Interventions, 1053 Dietary Fiber in Health and Disease, 957 Differential Diagnosis of Colorectal Diseases, Diseases of the Liver, 5th ed, 958 Endoscopic Diagnosis in Gastroenterology, 956 Epidemiology of Cancer of the Digestive Tract, 957 Gastroenterology: Pathophysiology and Clinical Applications, 191

Gastroenterology: Specialty Board Review, 2nd

Glucagon in Gastroenterology and Hepatology,

Measurement of Blood Flow, Applications to the

Large Bowel Cancer, 669

Splanchnic Circulation, 287

Balsalazide, ipsalazide vs. 609 Barrett's esophagus, strictures and, 769 Bentiromide (letter), 859

Beta blockers, colonic motility and, 590

Mucus in Health and Disease-II, 861 Physiology of the Gastrointestinal Tract, 2 vols, 382

Radiology of latrogenic Disorders: Vol 1, latrogenic Gastrointestinal Complications, 861 Surgery of the Gall Bladder and Bile Ducts, 2nd

ed, 95
Update II and III, Harrison's Principles of Inter-

nal Medicine-With CME Examination, 861 Vagotomy Testing, 1053

Water and Electrolyte Transport Across Gastrointestinal Epithelia, 382

#### **Bowel**

large, adaptations after resection, in rats, 265 small, adaptation after resection, in rats, 265 small, transit time and absorption, 812

"Bread-barium" swallow, esophageal motility and, 1094

Breath hydrogen analyzer, carbohydrate absorption and, 397

Breath test, aminopyrine, 405

BT-PABA, chronic pancreatitis and, 230

Budd-Chiari syndrome, contraceptive steroids and, 673

#### C

Calcitonin, jejunal transport and, in dogs, 273 Calcium

absorption, gastric secretion and, 417 intragastric, gastric function and, 385 soap solubility, 733

#### Cancer

pancreatic

diagnosis, 1078

dysphagia and (*letter*), 94 secretory profiles and, 107 prostate, achalasia and, 278

Candida infection, esophagitis and, 365

Carbohydrate

absorption, breath hydrogen analyzer and, 397 sucrase-isomaltase deficiency and, 473

Carcinoembryonic antigen

Crohn's disease and (letter), 478 liver and, 216

Carcinoma

colitis and, 18

colonic squamous cell, 918

hepatocellular, non-A, non-B hepatitis and, 908

Cell culture, gastric mucosa, 595

Chagas' disease, intestinal motility and, 294

Chenodeoxycholic acid efficacy, 545

Cholecystokinin radioimmunoassay, 456, 469

Cholelithiasis, chenodeoxycholic acid and, 545

Cholestasis, phenobarbital and, 753

Cimetidine

epithelial proliferation and, in rats, 61 gastric erosions and, in rats, 712 ranitidine vs. 577

Zollinger-Ellison syndrome and, 976

#### Cirrhosis

biliary

hypothyroidism and, 971 vitamin D<sub>3</sub> and, 145

diagnosis, 39

Clinical trial efficacy, 564

"Clocks," digestive, 1133

Cobalamine absorption, ranitidine and (letter), 667 Colitis

collagenous, colonic transport and, 1141 pseudomenbranous, metronidazole and 573 *Salmonella*, Crohn's disease and, 848 ulcerative

carcinoma and, 18 dysplasia and, 18

polymorphonuclear leukocytes and, 236 protanoid cytoprotection and, 807

#### Colon

carcinoma of, 918

inertia and constipation, 1025

transport and collagenous colitis, 1141

Computed tomography achalasia and, 692

lymphocele drainage and, 1043

Constipation, colonic inertia and, 1025

Contraceptive steroids, Budd-Chiari syndrome and, 673

Contrast medium absorption, ERCP and, 801

Cortisol excretion, gastric juice and, 494 Crigler-Najjar syndrome, phenobarbital and, 753

Crohn's disease

carcinoembryonic antigen and (*letter*), 478 polymorphonuclear leukocytes and, 236 *Salmonella* colitis and, 848

zinc deficiency and, 85

Cysteamine, acid neutralization and, in rats, 716 Cystic fibrosis

glycoconjugates and, 422 pancreatic polypeptide and, 870 pancreatitis and, 874

ursodeoxycholic acid and, 306 Cytoprotection (*letter*), 1150

prostaglandin and, 903 prostanoid, ulcerative colitis and, 807

#### SUBJECT INDEX TO VOLUME 28

gastric mucosa and, in rats, 993 Diabetes, esophageal dysfunction and, 289 intestine and (letter), 575 Dientamoeba fragilis, 335 jejunal blood flow and, in dogs, 1005 Diffunisal pancreatic secretion and gastric mucosa and, 1070 in dogs, 1116 indomethacin and, 1070 in rats, 117 Digestion, intragastric, 737 zinc absorption and, in rats, 604 Dilatation, pneumatic esophageal, 481 Excretion, urinary, calcium absorption and, 417 Dimethadione, chronic pancreatitis and, 230 16,16-Dimethyl prostaglandin E<sub>2</sub> alkaline secretion and, in dogs, 1121 bicarbonate and, 649 Factors XI and XII, liver disease and, 967 gastric erosions and, in rats, 712 Fistula, rectovesical, gastric heterotopia and, 378 gastric mucosal effects, 641 Diverticulum, duodenal, 411 Drug effects, on liver, 651 Duodenitis nodular, renal disease and, 1018 GABA, gastric acid secretion and, 56 thymidine uptake and, 392 Gallbladder Duodenum, diverticulum diagnosis, 411 "Courvoisier," 33 Dysphagia, pancreatic cancer and (letter), 94 histamine receptors and, 353 Dysplasia, colitis and, 18 motilin and, 539 pancreatic polypeptide and, 539 release, type of meal and, in dogs, 705 Endometriosis, ileocecal, 566 serum, H2-receptor antagonists and, in rats, 981 Endoscopic retrograde cholangiopancreatography, Gastritis medium absorption and, 801 antral sparing and, 751 Enkephalin, jejunal transport and, in dogs, 273 chronic erosive, 7 Enzymes, pancreatic pernicious anemia and, 698 pain reduction and, 97 Glucagon profiles, in hamsters, 518 biliary sphincter and, 312 Epithelium proliferation, cimetidine and, in rats, 61 pancreatic sphincter and, 312 Esophagitis Glucose, intragastric, gastric effects, 502 Candida and, 365 Glycoconjugates, cystic fibrosis and, 422 experimental, 440 familial chronic, 1101 pill-induced, 174 reflux, antacid vs placebo, 559 Esophagus H<sub>2</sub>-receptor antagonists, serum gastrin and, in rats, Barrett's, strictures and, 769 "bread-barium swallow and, 1094 Hemangiomas, cavernous, colonic varices and, 852 dysfunction in diabetes, 289 Hematochezia, heterotopia and, 470 manometry of, 784 Hepatitis "nutcracker, radionuclide transit and, 775 A, acute, chronic hepatitis B and, 684 perforation, lymphoma and, 371 B, chronic

pneumatic dilatation, 481

pseudodiverticulosis, 843

gastric acid and, in rats, 820

gastric bicarbonate and, 449

Ethanol

rings, systemic sclerosis and, 780

acute hepatitis A and, 684

chronic, alcohol and, 207

908

viral replication and, 961, 962

chronic active, thymosin effects and, 328

non-A, non-B, hepatocellular carcinoma and,

Hepatobiliary disease, predictive value of tests, 129
Hepatobiliary tuberculosis, 193
Heterotopia
complicated gastric, 378
hematochezia and, 470
Histamine receptors, gallbladder and, 353
Hypergastrinemia
intestinal morphology and, in rats, 65
pancreatic secretion and, in rats, 65
Hypocalcemia, 124
Hypothyroidism, cirrhosis and, 971

I Immunocytes, mucosal quantitation, in rats, 742 Indomethacin, prostaglandins and, in rats, 1127 Infarction, diagnosis of hepatic (letter), 285 Inflammatory bowel disease, prednisolone and, 161 Inhibitor assay, isoamylase and, 990 Insulin metabolism, shunts and, 201 Intragastric titration method, 1101 Ipsalazide, balsalazide vs, 609 Iron
absorption, alcohol and, 321 overload, in baboons, 616 Irritable bowel syndrome, gastric emptying and, 889 Isoamylase distribution, 990

J
Jaundice, aortic aneurysm and, 88
Jejunoileal bypass, aminopyrine breath test and, 405
Jejunum
chemical control of transport, in dogs, 273
ethanol effects, in dogs, 1005

K Kidney disease, nodular duodenitis and, 1018 Kwashiorkor, obesity surgery and, 375

L Laparoscopy, cirrhosis diagnosis and, 39 Laxatives, water transport and, in rats, 827 Leukocytes, polymorphonuclear, bowel disease and 236 Lipid peroxidation, alcoholics and, 585 Lipomas, multiple gastric, 1147 Liver carcinoembryonic antigen and, 216 drug effects and, 651 histology, varices and, 44 iron overload and, in baboons, 616 Liver disease alcoholic, lipid peroxidation and, 585 factors XI and XII, 967 virus replication and, 962 Liver function bile acid tolerance test, 137 tests, hepatobiliary disease and, 129 Lymphcele, CT drainage of, 1043 Lymphoma, esophageal perforation and, 371

Manometry, esophageal, 784 Mepirizole, species lesion differences, 552 15(R), 15-Methyl prostaglandin E<sub>2</sub>, ulcerative colitis and, 807 Metoclopramide, gastric emptying and, 1057 Metronidazole, pseudomembranous colitis and, 573 Motilin gallbladder and, 539 intestinal motility and, in dogs, 249 Motility colonic beta blockers and, 590 diurnal changes and, in dogs, 257 Chagas' disease and, 294 motilin and, in dogs, 249 Mucosa, bile acids and, 359

N Naproxen, gastric bleeding and, 169

Obesity, kwashiorkor after surgery, 375

## SUBJECT INDEX TO VOLUME 28

P	Propionitrile, acid neutralization and, in rats, 716
Pancolitis, 183	Propranolol, recurrent bleeding and (letter), 667
Pancreas	Prostaglandin
anorexia nervosa and, 225	biosynthesis, 154
atrophy, gastric inhibitory polypeptide and, in	cytoprotection, 903
dogs, 345	E <sub>1</sub> , gastric bleeding and, 897
cancer diagnosis, 1078	indomethacin and, 1127
cancer, secretion and, 103	Prostate cancer, achalasia and, 278
enzyme profiles, in hamsters, 518	Protein profiles, pancreatic, tumor markers and,
ethanol and, in rats, 117	792
function tests, 490	Pseudodiverticulosis, peristaltic contractions and,
secretion in alcoholics, 1089	843
secretory abnormalities and tumors, in hamsters, 526	Pylorus, reflux and, 1106
tumor markers, 792	
vasoactive intestinal peptide and, in dogs, 724	
zinc absorption and, 300	
Pancreatitis	
acute, in rats, 74	
acute alcoholic, serum amylase and, 865	
chronic	
BT-PABA and, 230	- Introduce shift line sybotom
dimethadione and, 230	R
pain reduction, 97	Radioimmunoassay
cystic fibrosis and, 874	cholecystokinin, 456, 469
hemorrhagic	peptide histamine isoleucine, 507
pulmonary complications and, 111	Radionuclide transit, "nutcracker" esophagus and
scorpion venom and, in dogs, 429	775
pancreatic polypeptide and, 1083	Ranitidine
Pancreolauryl test, 490	cimetidine vs, 577
Peptide histidine isoleucine, 507, 893	cobalamine absorption and (letter), 667
Peptide purity (letter), 1052	Reflux
Peritonitis, bacterial (letter), 381	gastroesophageal, metoclopramide and, 1057
Peutz-Jeghers syndrome, adenocarcinoma and,	pylorus and, 1106
1047	Resection, small bowel, adaptation after, in rats
pH profile, Zollinger-Ellison syndrome and, 577	265
Phenobarbital, Crigler-Najjar syndrome and, 753	Retinal dysfunction, Crohn's disease and, 85
Phenolphthalein vs phenolphthalein glucuronide, in rats, 827	
PIPIDA scintigraphy, feeding and, 687	
Polyp, hamartomous, adenocarcinoma and, 1047	
Polypeptide	
gastric inhibitory, pancreatic atrophy and, in	
dogs, 345	
pancreatic	
cystic fibrosis and, 870	S

S
Sclerosis, systemic, esophageal rings and, 780
Scorpion venom, hemorrhagic pancreatitis and, in dogs, 429
Secretion, pancreatic alcohol and, in dogs, 879, 1116

in alcoholics, 1089

766 Prednisolone, inflammatory bowel disease and, 161

Portasystemic shunt, esophageal varices and, 44

Portography, arterial, bleeding varices and (letter),

gallbladder and, 539

pancreatitis and, 1083

Serial dilution indicator method, 1001	analogs, 609
Shunts	Sulindac, gastric bleeding and, 167
portal systemic, insulin metabolism and, 201 spenorenal, lymphocele and, 1043	
Somatostatin, acid secretion and, in dogs, 350	
Spermine, gastric acid secretion and, in rats, 513	
Sphincter	T
biliary, glucagon and, 312	•
pancreatic, glucagon and, 312	Taurochenodeoxycholic acid, mucosa and, 359
Steatorrhea, 124	Tauroursodeoxycholic acid, mucosa and, 359
Stomach	Thromboxane biosynthesis, 154 Thymidine, duodenal uptake, 392
acid secretion	Thymosin, hepatitis and, 328
ethanol and, in rats, 820	Transit time, small bowel absorption and, 812
GABA and, 56	Transport
glucose and, 502	colonic, collagenous colitis and, 1141
measurement, 1101	
spermine and, in rats, 513	water, laxatives and, in rats, 827
adaptation, aspirin and, 1	Tripotassium-diatratobismuthate, ulceration and,
bleeding	
naproxen and, 169	Trypsin
prostaglandin E <sub>1</sub> and, 897	circulation (letter), 285
sulindac and, 169	output, 27
emptying	Tuberculosis, hepatobiliary, 193
age and, 340	Tumor markers, pancreatic, 792
glucose and, 502	
irritable bowel syndrome and, 889	
metoclopramide and, 1057	
postprandial, in dogs, 633	
erosions	U
cimetidine and, in rats, 712	Ulcer
16,16-dmPGE <sub>2</sub> and, in rats, 712	duodenal
function, intragastric calcium and, 385	giant, 486
juice, cortisol excretion and, 494	TDB and, 13
lesions, sulcrafate and, in rats, 1034	thymidine uptake and, 392
mucosa	gastric, TDB and, 13
cell culture of 595	Ursodeoxycholic acid, cystic fibrosis and, 306
damage (letter), 1150	
diflunisal and, 1070	
16,16-dmPGE <sub>2</sub> and, 641, 1121	
ethanol and, in rats, 993	
reservoir, in rabbits and cats, 625	V
secretion (letter), 189	Varices
calcium absorption and, 417	bleeding, arterial portography and (letter), 766
postprandial, in dogs, 633	colonic, cavernous hemagiomas and, 852
PGE <sub>1</sub> and, 897	esophageal, survival and, 44
sulcrafate and, in rats, 1034	Vasculitis, rheumatoid, 183
Stricture, esophageal, Barrett's esophagus and, 769	Vasoactive intestinal peptide, pancreas and, in
Sucrase-isomaltase deficiency, carbohydrate and,	dogs, 724
473	Virus replication, hepatitis B and, 961, 962
Sulcrafate, gastric effects and, in rats, 1034	Vitamin D <sub>3</sub> , cirrhosis and, 145
Sulfasalazine	Volume accommodation, gastric, in rabbits and
adverse effects, 833	cats, 625

## SUBJECT INDEX TO VOLUME 28

Y YM-11170, serum gastrin and, in rats, 981

Z Zinc absorption ethanol and, in rats, 604 pancreas and, 300 deficiency, Crohn's disease and, 85 Zollinger-Ellison syndrome cimetidine and, 971 pH monitoring and, 577